

CLAIMS

1 - A composition, free or essentially free of phenolic antioxidant,
containing

5 a) 100 parts by weight of a propylene polymer,
b) from 0.005 to 0.1 part by weight of an amine oxide having the structural
formula



wherein R' and R'' are groups containing from 1 to 36 carbon atoms,

or of a N,N-dialkylhydroxylamine of formula



wherein

R¹ and R² are independent groups of 1 to 36 carbon atoms,

c) from 0.1 to 0.5 part by weight of a clarifying agent. *(nucleating agent)*

2 - Composition according to claim 1, wherein the propylene polymer is a
random copolymer containing 0.1 to 5 % by weight of ethylene.

15 3 - Composition according to claim 1, wherein the propylene polymer
contains from 100 mg to 500 mg of inorganic residue per kg of propylene
polymer.

20 4 - Composition according to claim 1, containing from 0.005 to 0.1 part
by weight of an amine oxide of formula (I) wherein R' and R'' are linear or
substituted alkyl groups containing 4 to 22 carbon atoms.

5 - Composition according to claim 1, containing from 0.005 to 0.1 part
of a N,N-dialkylhydroxylamine of formula (II) wherein R¹ and R² contain from
14 to 22 carbon atoms.

25 6 - Composition according to claim 1, wherein the clarifying agent is
chosen from benzilidene sorbitol compounds, metallic salt of organic phosphate
or metal salts of rosin.

7 - Composition according to claim 6, wherein the clarifying agent is the
aluminium hydroxy-bis(2,2'-methylene-bis[4,6-di(tert-butyl)phenyl]phosphate.

8 - Composition according to claim 1, containing further from 0.01 to 0.1 part by weight of a sterically hindered amine.

9 - Composition according to claim 1 containing :

5 a) 100 parts by weight of a propylene copolymer containing 0.1 to 5 weight % of ethylene,
b) from 0.01 to 0.1 part by weight of an amine oxide of formula (I) wherein R' and R' are alkyl radicals containing 4 to 22 carbon atoms, and
c) from 0.1 to 0.5 parts by weight of a metallic salt of organic phosphate.

10 - Manufacture of shaped objects by using the composition according to claim 1.

11 - Object manufactured from the composition according to claim 1.